FIG.1

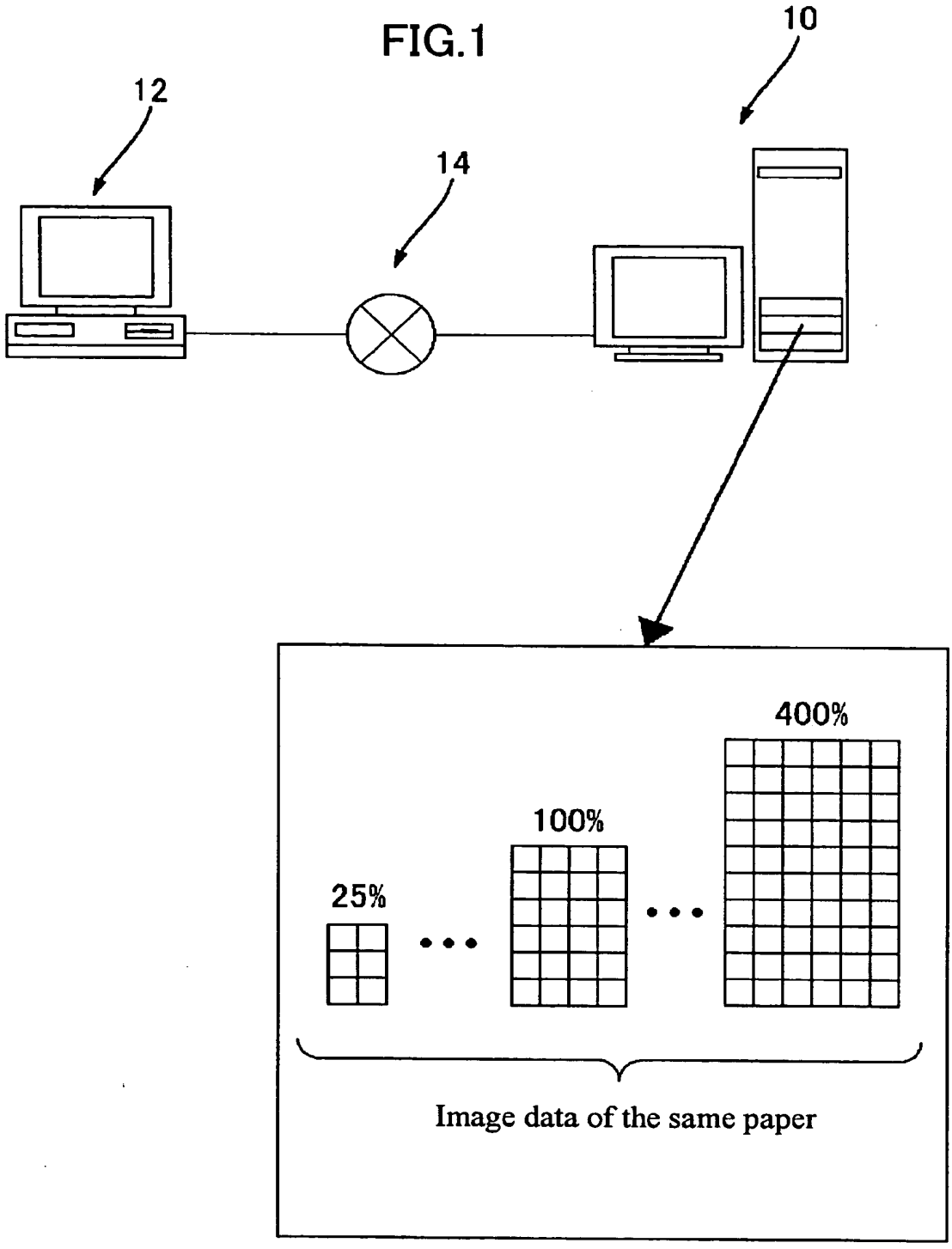


FIG.2

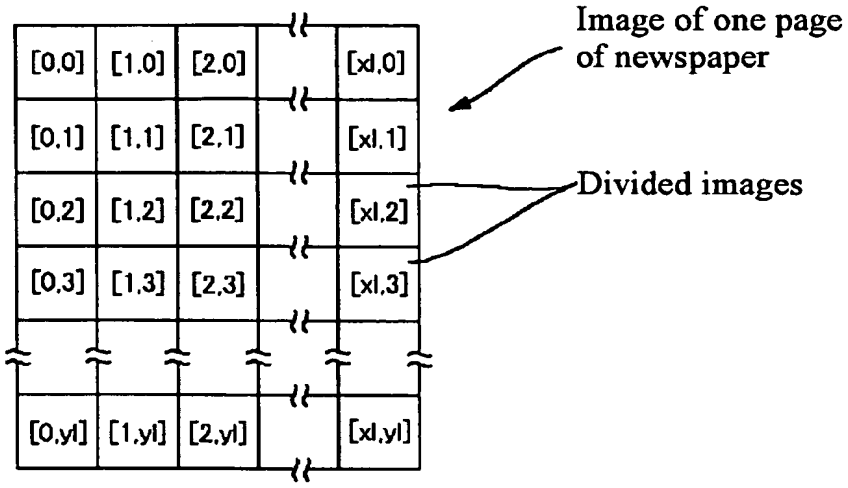

[0,0]
[1,0]
[2,0]
[xl,0]
[0,1]
[1,1]
[2,1]
[xl,1]
[0,2]
[1,2]
[2,2]
[xl,2]
[0,3]
[1,3]
[2,3]
[xl,3]
[0,yl]
[1,yl]
[2,yl]
[xl,yl]
Image of one page of newspaper
Divided images

FIG.3

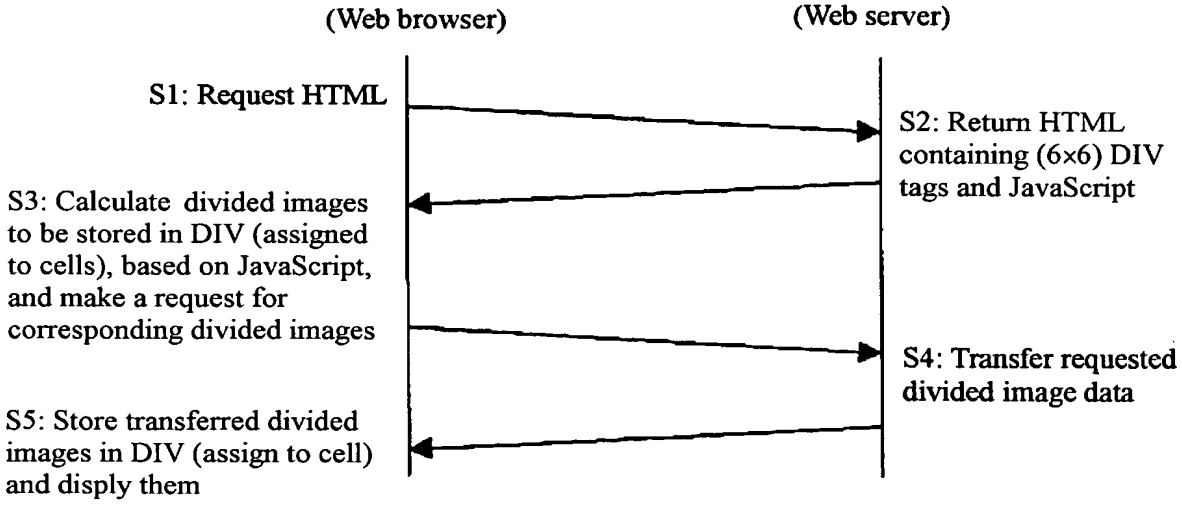

(Web browser)
(Web server)
S1: Request HTML
S2: Return HTML containing (6×6) DIV tags and JavaScript
S3: Calculate divided images to be stored in DIV (assigned to cells), based on JavaScript, and make a request for corresponding divided images
S4: Transfer requested divided image data
S5: Store transferred divided images in DIV (assign to cell) and disply them

FIG.4

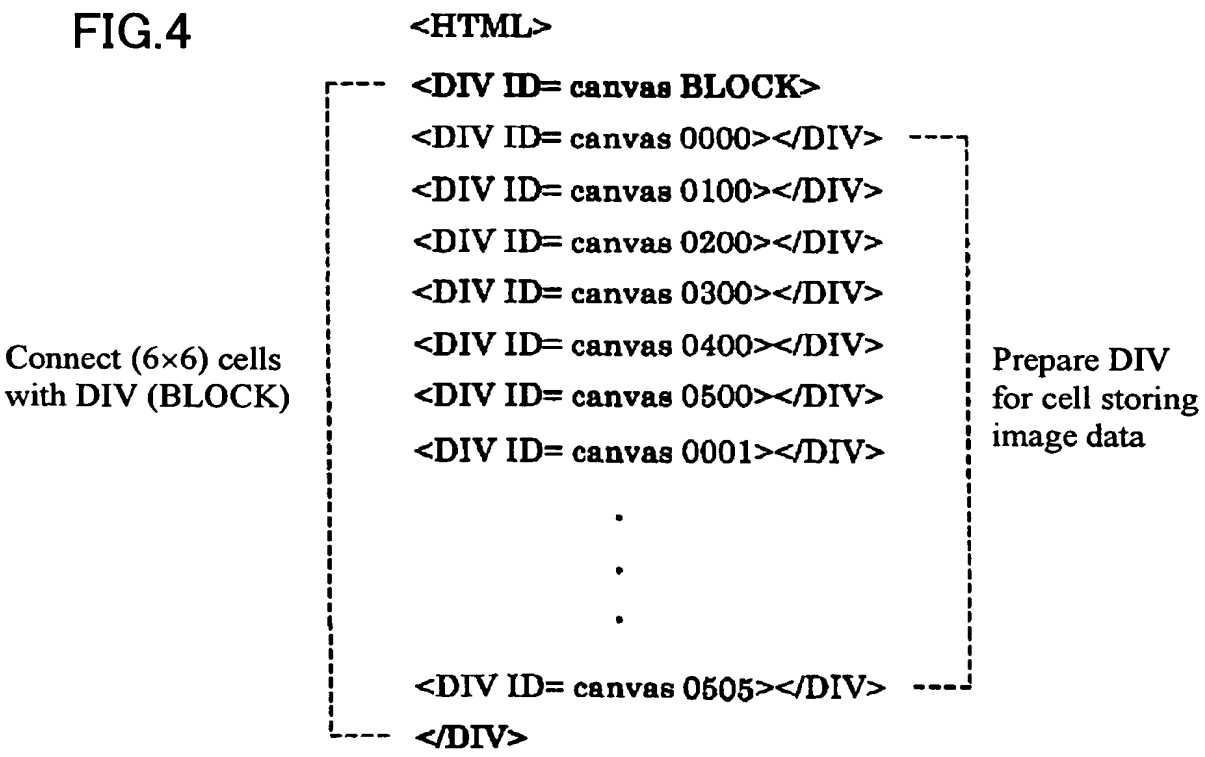
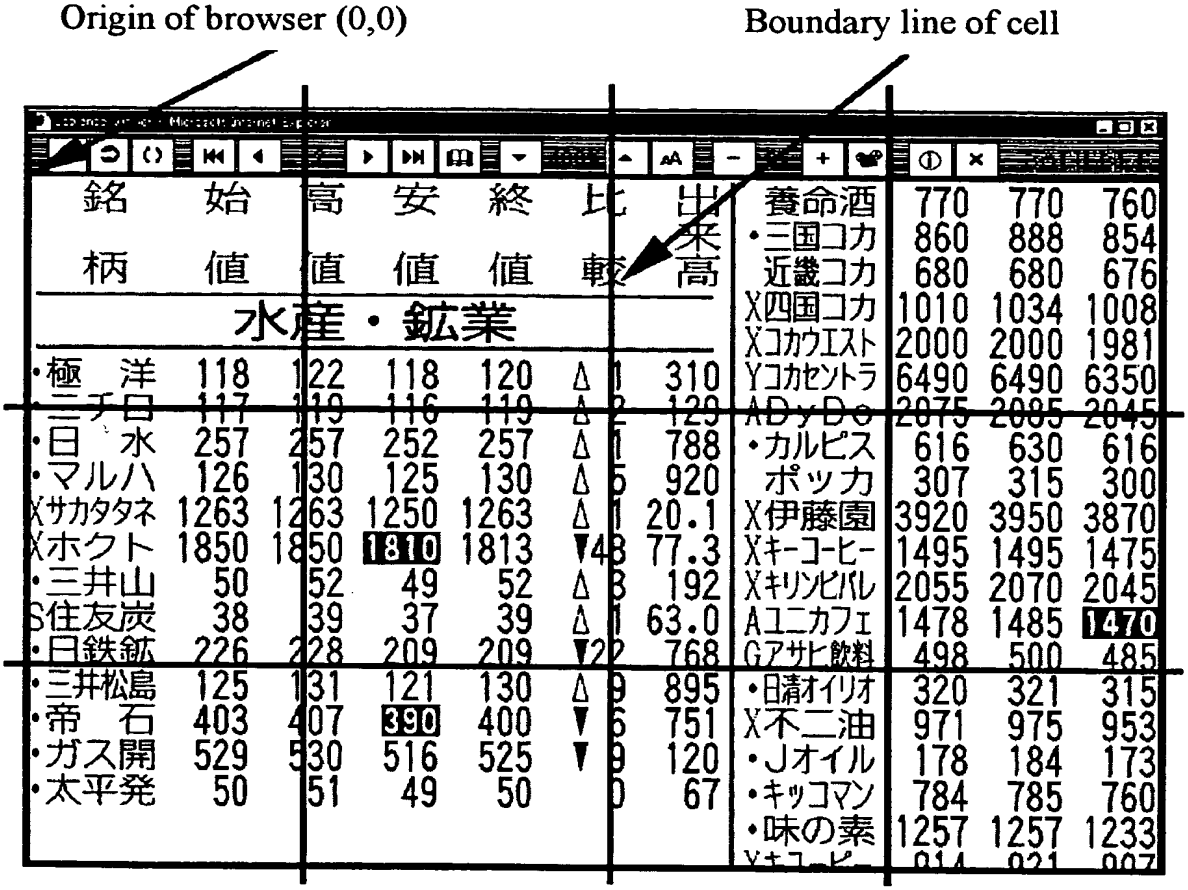

<HTML>
<DIV ID= canvas BLOCK>
<DIV ID= canvas 0000></DIV>
<DIV ID= canvas 0100></DIV>
<DIV ID= canvas 0200></DIV>
<DIV ID= canvas 0300></DIV>
<DIV ID= canvas 0400></DIV>
<DIV ID= canvas 0500></DIV>
<DIV ID= canvas 0001></DIV>
<DIV ID= canvas 0505></DIV>
</DIV>
Connect (6×6) cells with DIV (BLOCK)
Prepare DIV for cell storing image data

FIG.5



銘柄	始値	高値	安値	終値	比較	出来高
水産・鉱業						
・極洋	118	122	118	120	Δ 1	310
ニチロ	117	119	116	119	Δ 2	129
・日水	257	257	252	257	Δ 1	788
・マルハ	126	130	125	130	Δ 5	920
Xサカタタネ	1263	1263	1250	1263	Δ 1	20.1
Xホクト	1850	1850	1810	1813	▼43	77.3
・三井山	50	52	49	52	Δ 3	192
S住友炭	38	39	37	39	Δ 1	63.0
・日鉄鉱	226	228	209	209	▼22	768
・三井松島	125	131	121	130	Δ 9	895
・帝石	403	407	390	400	▼ 6	751
・ガス開	529	530	516	525	▼ 9	120
・太平発	50	51	49	50	0	67
養命酒	770	770	760			
・三国コカ	860	888	854			
近畿コカ	680	680	676			
X四国コカ	1010	1034	1008			
Xコカウエスト	2000	2000	1981			
Yコカセントラ	6490	6490	6350			
ADヶDe	2075	2085	2045			
・カルピス	616	630	616			
ポッカ	307	315	300			
X伊藤園	3920	3950	3870			
Xキーコーヒー	1495	1495	1475			
Xキリンビバレ	2055	2070	2045			
Aユニカフェ	1478	1485	1470			
Gアサヒ飲料	498	500	485			
・日清オイリオ	320	321	315			
X不二油	971	975	953			
・Jオイル	178	184	173			
・キッコマン	784	785	760			
・味の素	1257	1257	1233			
Xキユーピー	914	921	907			

FIG.6

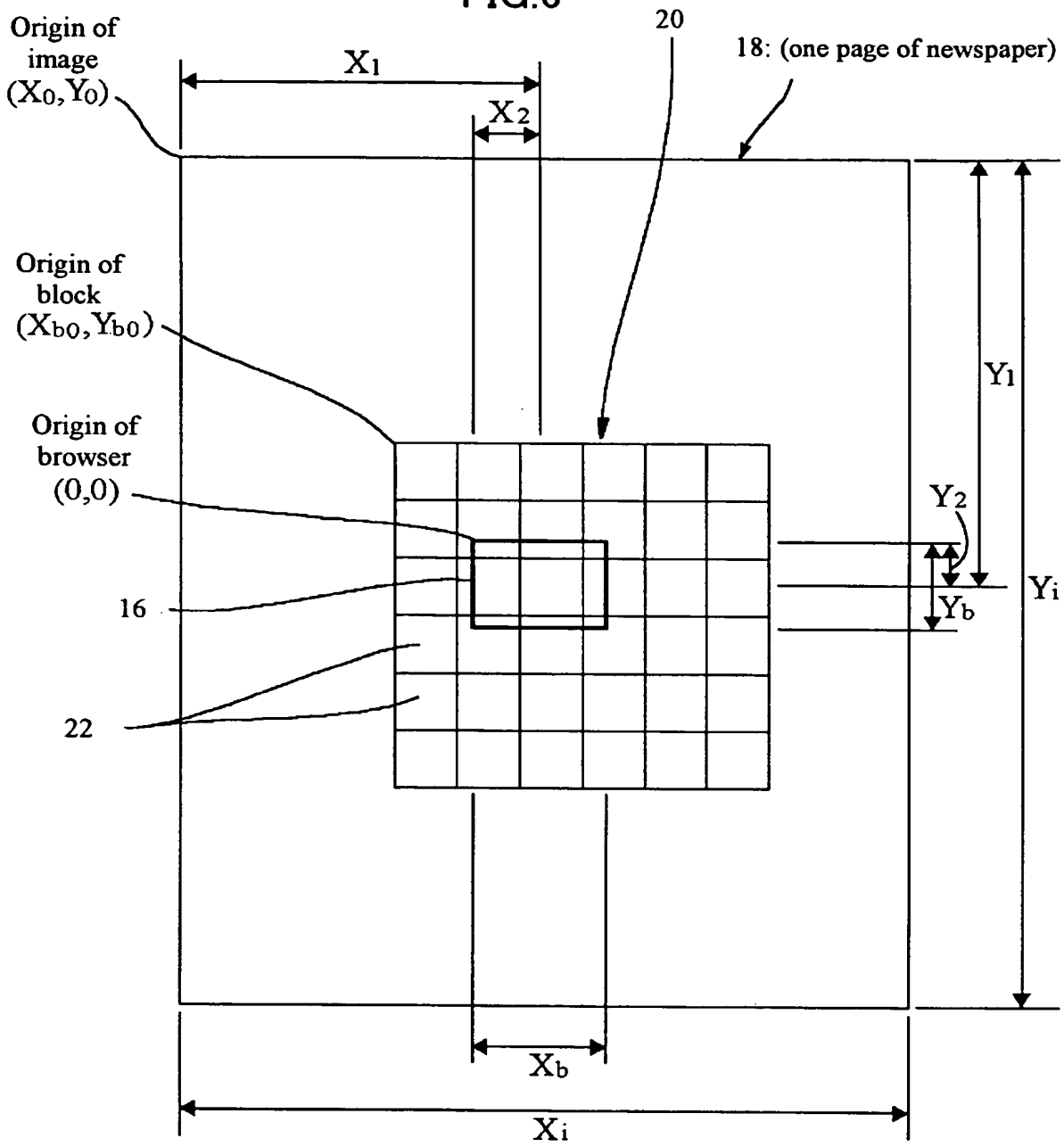
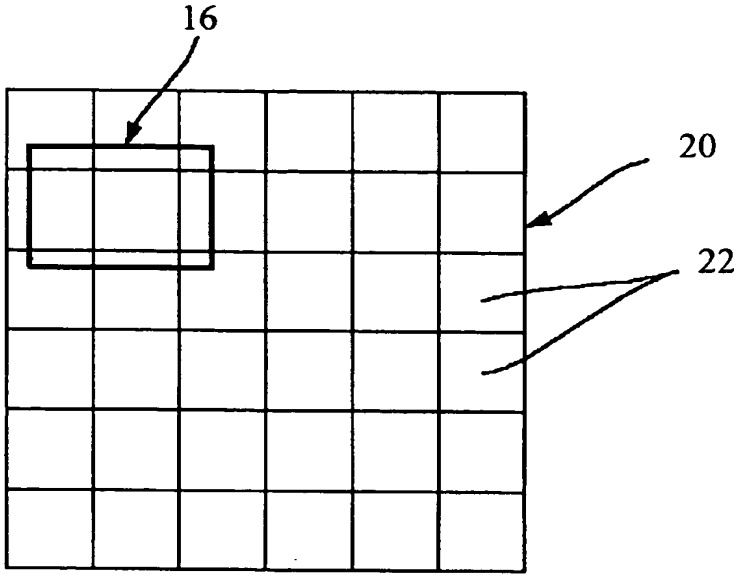
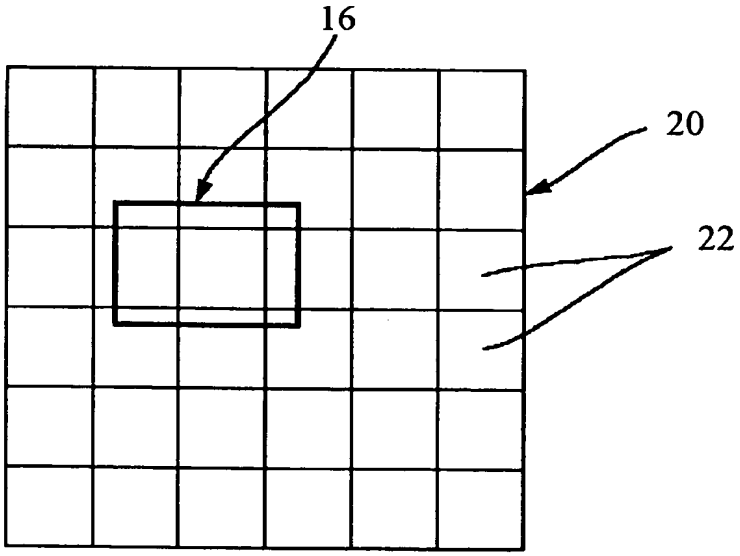

Origin of image
(X0,Y0)
X1
X2
20
18: (one page of newspaper)
Origin of block
(Xb0,Yb0)
Origin of browser
(0,0)
16
22
Y1
Y2
Yb
Yi
Xb
Xi

FIG.7A



Without offset

FIG.7B



With offset

FIG.8

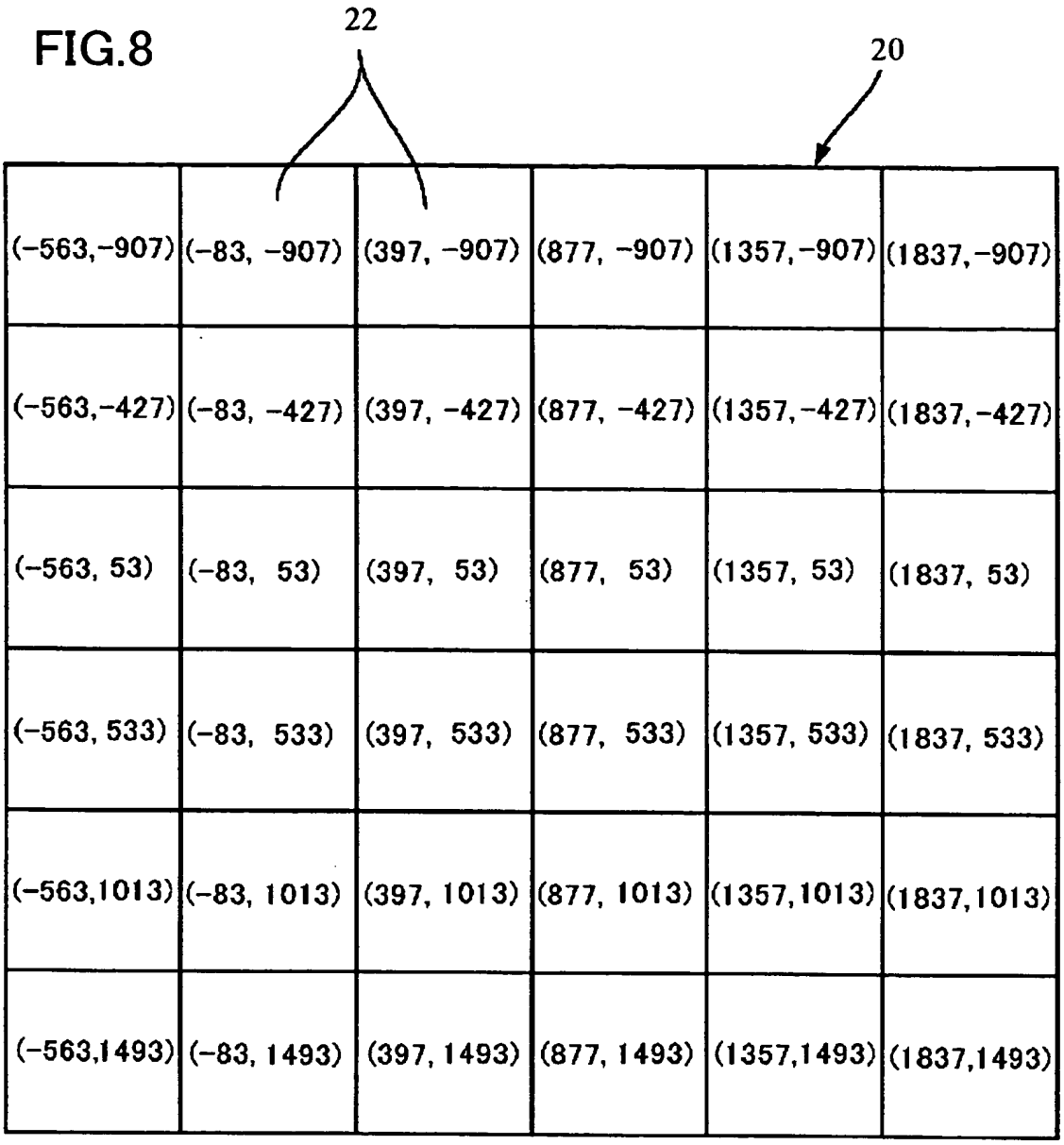

22
20
(-563,-907)
(-83, -907)
(397, -907)
(877, -907)
(1357,-907)
(1837,-907)
(-563,-427)
(-83, -427)
(397, -427)
(877, -427)
(1357,-427)
(1837,-427)
(-563, 53)
(-83, 53)
(397, 53)
(877, 53)
(1357, 53)
(1837, 53)
(-563, 533)
(-83, 533)
(397, 533)
(877, 533)
(1357, 533)
(1837, 533)
(-563,1013)
(-83, 1013)
(397, 1013)
(877, 1013)
(1357,1013)
(1837,1013)
(-563,1493)
(-83, 1493)
(397, 1493)
(877, 1493)
(1357,1493)
(1837,1493)

FIG.9

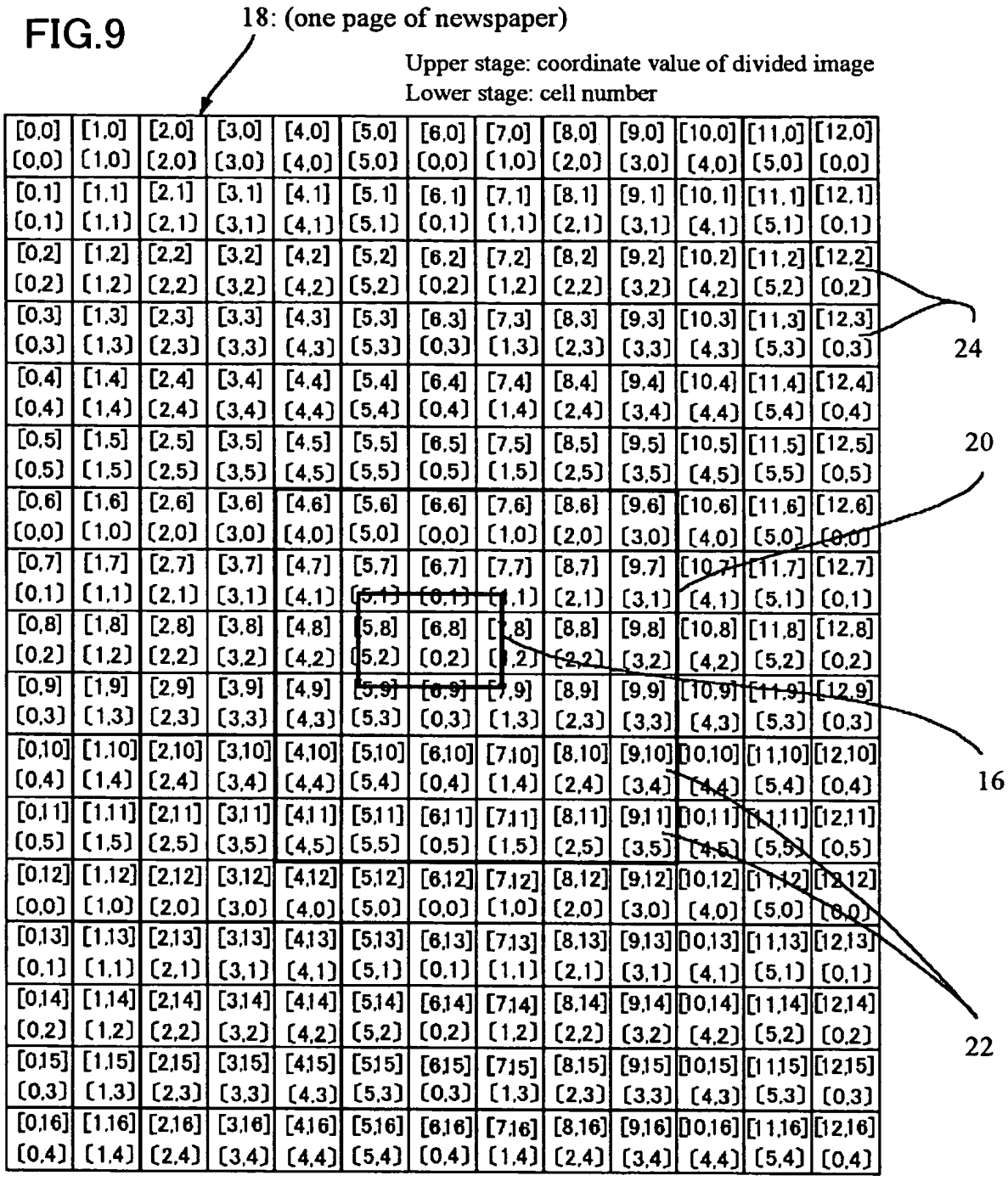

18: (one page of newspaper)
Upper stage: coordinate value of divided image
Lower stage: cell number
[0,0] (0,0) [1,0] (1,0) [2,0] (2,0) [3,0] (3,0) [4,0] (4,0) [5,0] (5,0) [6,0] (0,0) [7,0] (1,0) [8,0] (2,0) [9,0] (3,0) [10,0] (4,0) [11,0] (5,0) [12,0] (0,0)
[0,1] (0,1) [1,1] (1,1) [2,1] (2,1) [3,1] (3,1) [4,1] (4,1) [5,1] (5,1) [6,1] (0,1) [7,1] (1,1) [8,1] (2,1) [9,1] (3,1) [10,1] (4,1) [11,1] (5,1) [12,1] (0,1)
[0,2] (0,2) [1,2] (1,2) [2,2] (2,2) [3,2] (3,2) [4,2] (4,2) [5,2] (5,2) [6,2] (0,2) [7,2] (1,2) [8,2] (2,2) [9,2] (3,2) [10,2] (4,2) [11,2] (5,2) [12,2] (0,2)
[0,3] (0,3) [1,3] (1,3) [2,3] (2,3) [3,3] (3,3) [4,3] (4,3) [5,3] (5,3) [6,3] (0,3) [7,3] (1,3) [8,3] (2,3) [9,3] (3,3) [10,3] (4,3) [11,3] (5,3) [12,3] (0,3)
24
[0,4] (0,4) [1,4] (1,4) [2,4] (2,4) [3,4] (3,4) [4,4] (4,4) [5,4] (5,4) [6,4] (0,4) [7,4] (1,4) [8,4] (2,4) [9,4] (3,4) [10,4] (4,4) [11,4] (5,4) [12,4] (0,4)
[0,5] (0,5) [1,5] (1,5) [2,5] (2,5) [3,5] (3,5) [4,5] (4,5) [5,5] (5,5) [6,5] (0,5) [7,5] (1,5) [8,5] (2,5) [9,5] (3,5) [10,5] (4,5) [11,5] (5,5) [12,5] (0,5)
20
[0,6] (0,0) [1,6] (1,0) [2,6] (2,0) [3,6] (3,0) [4,6] (4,0) [5,6] (5,0) [6,6] (0,0) [7,6] (1,0) [8,6] (2,0) [9,6] (3,0) [10,6] (4,0) [11,6] (5,0) [12,6] (0,0)
[0,7] (0,1) [1,7] (1,1) [2,7] (2,1) [3,7] (3,1) [4,7] (4,1) [5,7] (5,1) [6,7] (0,1) [7,7] (1,1) [8,7] (2,1) [9,7] (3,1) [10,7] (4,1) [11,7] (5,1) [12,7] (0,1)
[0,8] (0,2) [1,8] (1,2) [2,8] (2,2) [3,8] (3,2) [4,8] (4,2) [5,8] (5,2) [6,8] (0,2) [7,8] (1,2) [8,8] (2,2) [9,8] (3,2) [10,8] (4,2) [11,8] (5,2) [12,8] (0,2)
[0,9] (0,3) [1,9] (1,3) [2,9] (2,3) [3,9] (3,3) [4,9] (4,3) [5,9] (5,3) [6,9] (0,3) [7,9] (1,3) [8,9] (2,3) [9,9] (3,3) [10,9] (4,3) [11,9] (5,3) [12,9] (0,3)
16
[0,10] (0,4) [1,10] (1,4) [2,10] (2,4) [3,10] (3,4) [4,10] (4,4) [5,10] (5,4) [6,10] (0,4) [7,10] (1,4) [8,10] (2,4) [9,10] (3,4) [10,10] (4,4) [11,10] (5,4) [12,10] (0,4)
[0,11] (0,5) [1,11] (1,5) [2,11] (2,5) [3,11] (3,5) [4,11] (4,5) [5,11] (5,5) [6,11] (0,5) [7,11] (1,5) [8,11] (2,5) [9,11] (3,5) [10,11] (4,5) [11,11] (5,5) [12,11] (0,5)
[0,12] (0,0) [1,12] (1,0) [2,12] (2,0) [3,12] (3,0) [4,12] (4,0) [5,12] (5,0) [6,12] (0,0) [7,12] (1,0) [8,12] (2,0) [9,12] (3,0) [10,12] (4,0) [11,12] (5,0) [12,12] (0,0)
[0,13] (0,1) [1,13] (1,1) [2,13] (2,1) [3,13] (3,1) [4,13] (4,1) [5,13] (5,1) [6,13] (0,1) [7,13] (1,1) [8,13] (2,1) [9,13] (3,1) [10,13] (4,1) [11,13] (5,1) [12,13] (0,1)
[0,14] (0,2) [1,14] (1,2) [2,14] (2,2) [3,14] (3,2) [4,14] (4,2) [5,14] (5,2) [6,14] (0,2) [7,14] (1,2) [8,14] (2,2) [9,14] (3,2) [10,14] (4,2) [11,14] (5,2) [12,14] (0,2)
22
[0,15] (0,3) [1,15] (1,3) [2,15] (2,3) [3,15] (3,3) [4,15] (4,3) [5,15] (5,3) [6,15] (0,3) [7,15] (1,3) [8,15] (2,3) [9,15] (3,3) [10,15] (4,3) [11,15] (5,3) [12,15] (0,3)
[0,16] (0,4) [1,16] (1,4) [2,16] (2,4) [3,16] (3,4) [4,16] (4,4) [5,16] (5,4) [6,16] (0,4) [7,16] (1,4) [8,16] (2,4) [9,16] (3,4) [10,16] (4,4) [11,16] (5,4) [12,16] (0,4)

FIG.10

```
function setImageSell(){
  originX = X_b0;          // X axis origin of first cell in block (expression 19)
  originY = Y_b0;          // Y axis origin of first cell in block (expression 20)
  for(x=0; x<=S_xl ; x++){ // From first divided image to last divided image in X axis
                           direction of image
    for(y=0; y<=S_yl ; y++){ // From first divided image to last divided image in Y axis
                             direction of image
      // Performed from first cell to last cell in X axis for block
      if(x >= S_xf && x <= S_xl ){
        sellX = x % 6;       // Residue of x divided by 6 is used as cell number in X axis
                             direction
        // Performed from first cell to last cell in Y axis for block
        if(y >= S_yf && y <= S_yl ){
          sellY = y % 6;     // Residue of y divided by 6 is used as cell number in Y axis
                             direction
          // Store image data (imageXY) in each cell (canvasXY)
          // Performed actually when CGI makes a request to server for image data
          document.all("canvas" + sellX + sellY).innerHTML = "<IMG ID= 'image" +
            x + y + "'SRC='image.cgi?a=xxx&b=xxx&c=xxx&d=xxx&e=xxx&f=
            xxx&g=xxx' STYLE='left:" + originX +";top:" + originY + ";'>";
        }
      }
      originY += 480;  // Add 480 to set Y axis origin of next cell
    }
    originX += 480;    // Add 480 to set X axis origin of next cell
    originY = Y_b0;    // Restore Y axis origin to Y axis origin of first cell in Y axis
  }
  originX = X_b0;      // Restore X axis origin to X axis origin of first cell in X axis
}
```

FIG.11

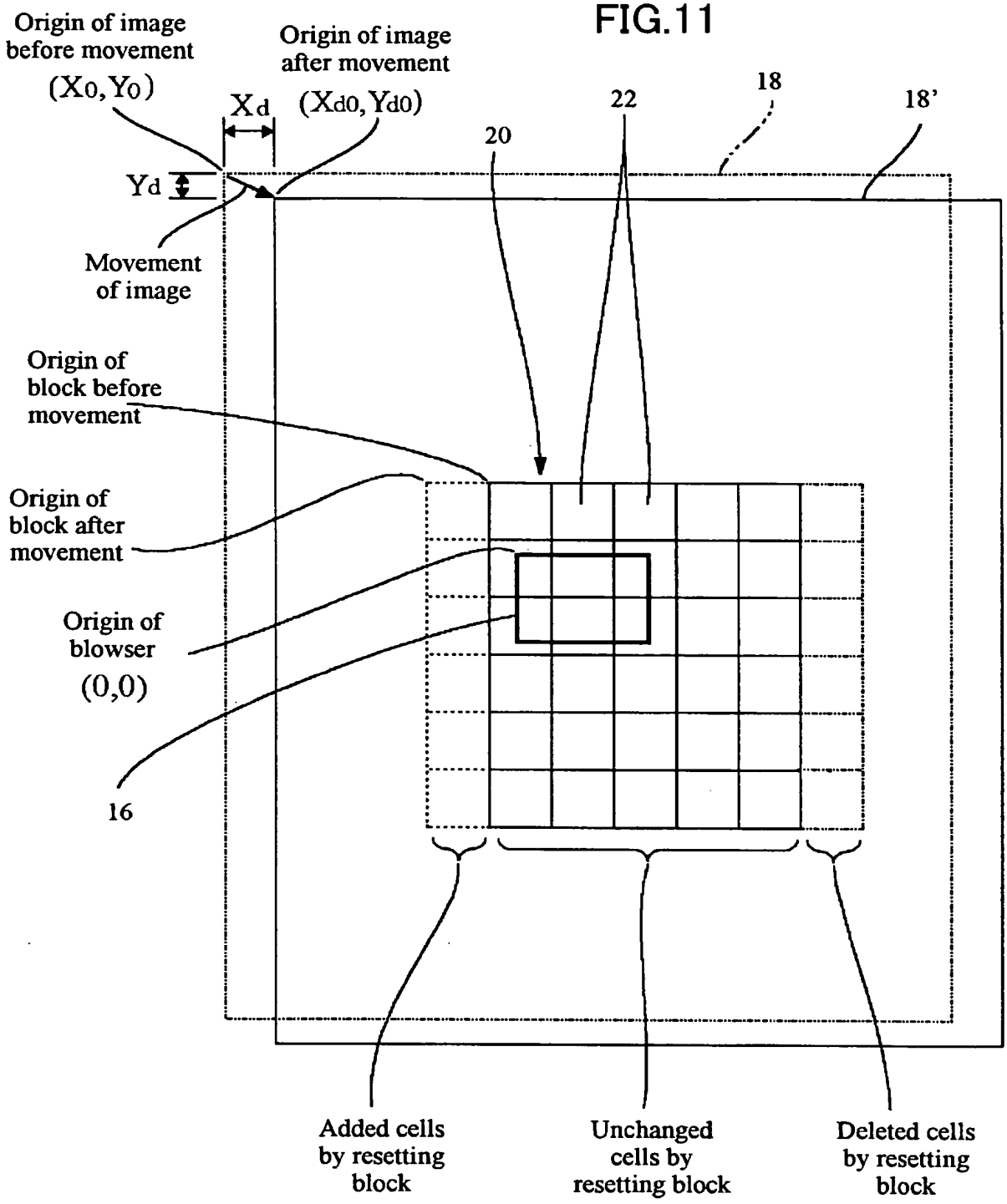

Origin of image before movement
(Xo, Yo)
Origin of image after movement
(Xd0, Yd0)
Xd
Yd
Movement of image
18
18'
22
20
Origin of block before movement
Origin of block after movement
Origin of blowser
(0,0)
16
Added cells by resetting block
Unchanged cells by resetting block
Deleted cells by resetting block

FIG.12

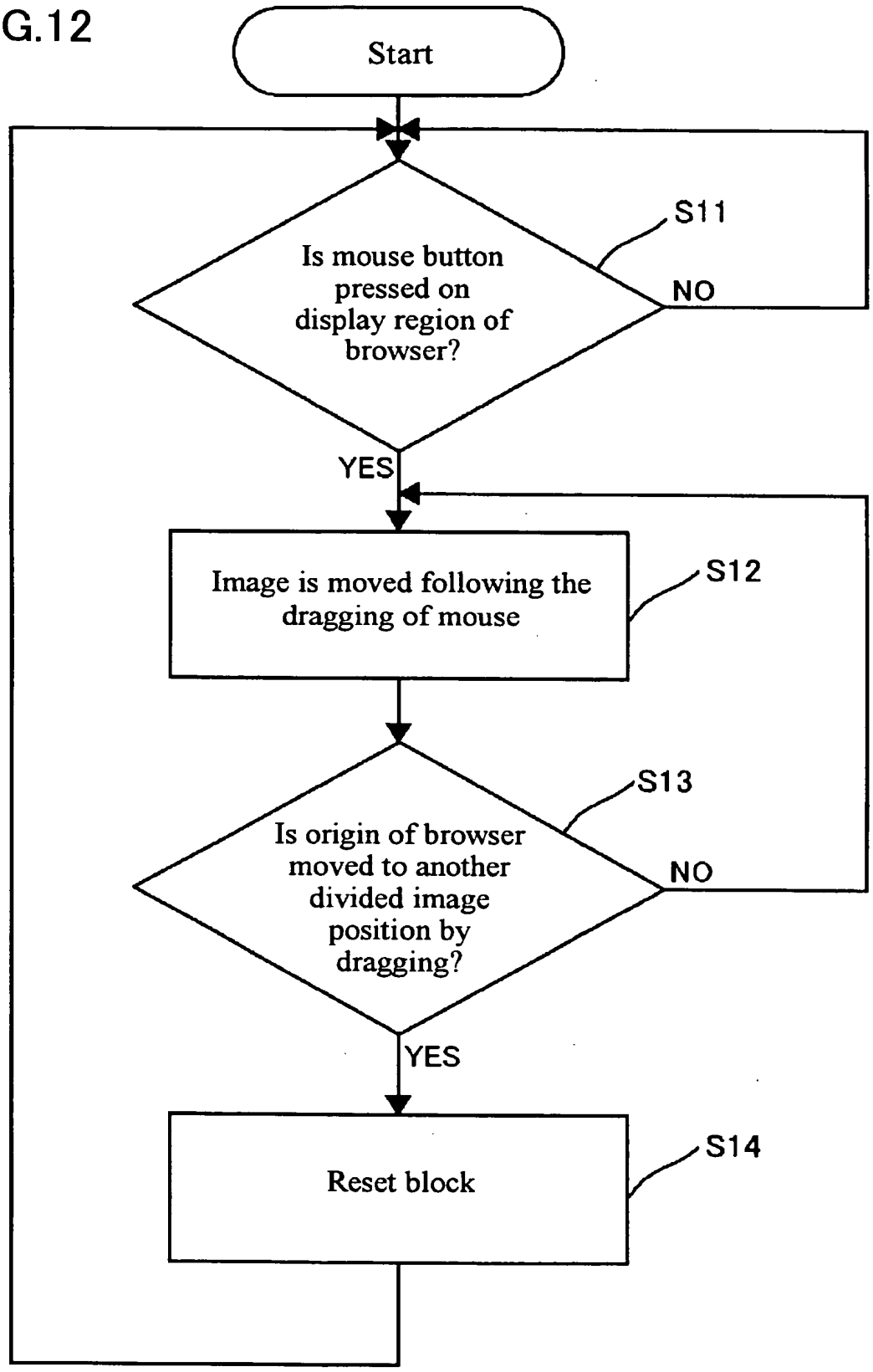

Start
Is mouse button pressed on display region of browser?
S11
NO
YES
Image is moved following the dragging of mouse
S12
Is origin of browser moved to another divided image position by dragging?
S13
NO
YES
Reset block
S14

FIG.13

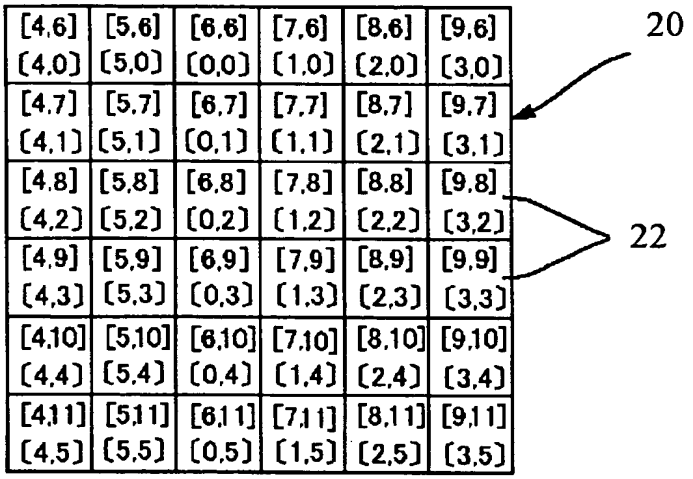
```
document.onmousedown = setMouseDown; // When mouse is down
document.onmousemove = setMouseMove; // When mouse is moved

function setMouseDown(){
        downX   = event.x;  // X axis coordinate clicked
        downY   = event.y;  // Y axis coordinate clicked
        originX = downX - document.all. canvasBlock.style.pixelLeft;
        originY = downY - document.all. canvasBlock.style.pixelTop;
}

function setMouseMove(){
        dragX   = event.x; // X axis coordinate during movement
        dragY   = event.y; // Y axis coordinate during movement
        // Recalculate origin of block
        document.all. canvasBlock.style.pixelLeft = dragX - originX;
        document.all. canvasBlock.style.pixelTop = dragY - originY;
}
```

FIG.14A

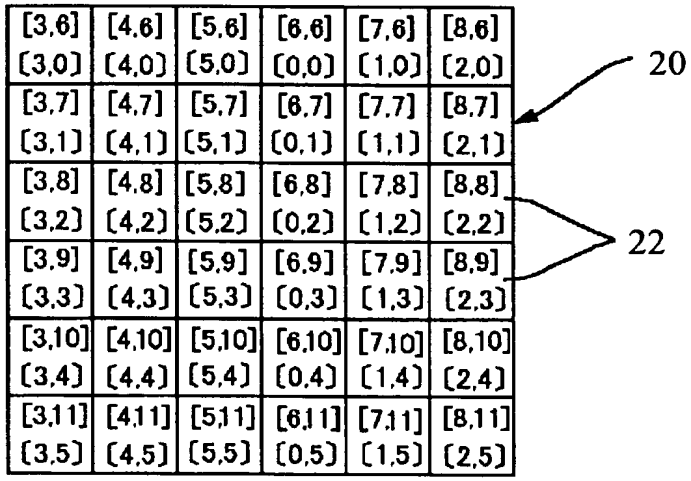
Upper stage: divided image coordinate value
Lower stage: cell number



Before moving the image

FIG.14B

Upper stage: divided image coordinate value
Lower stage: cell number



After moving the image

FIG.15

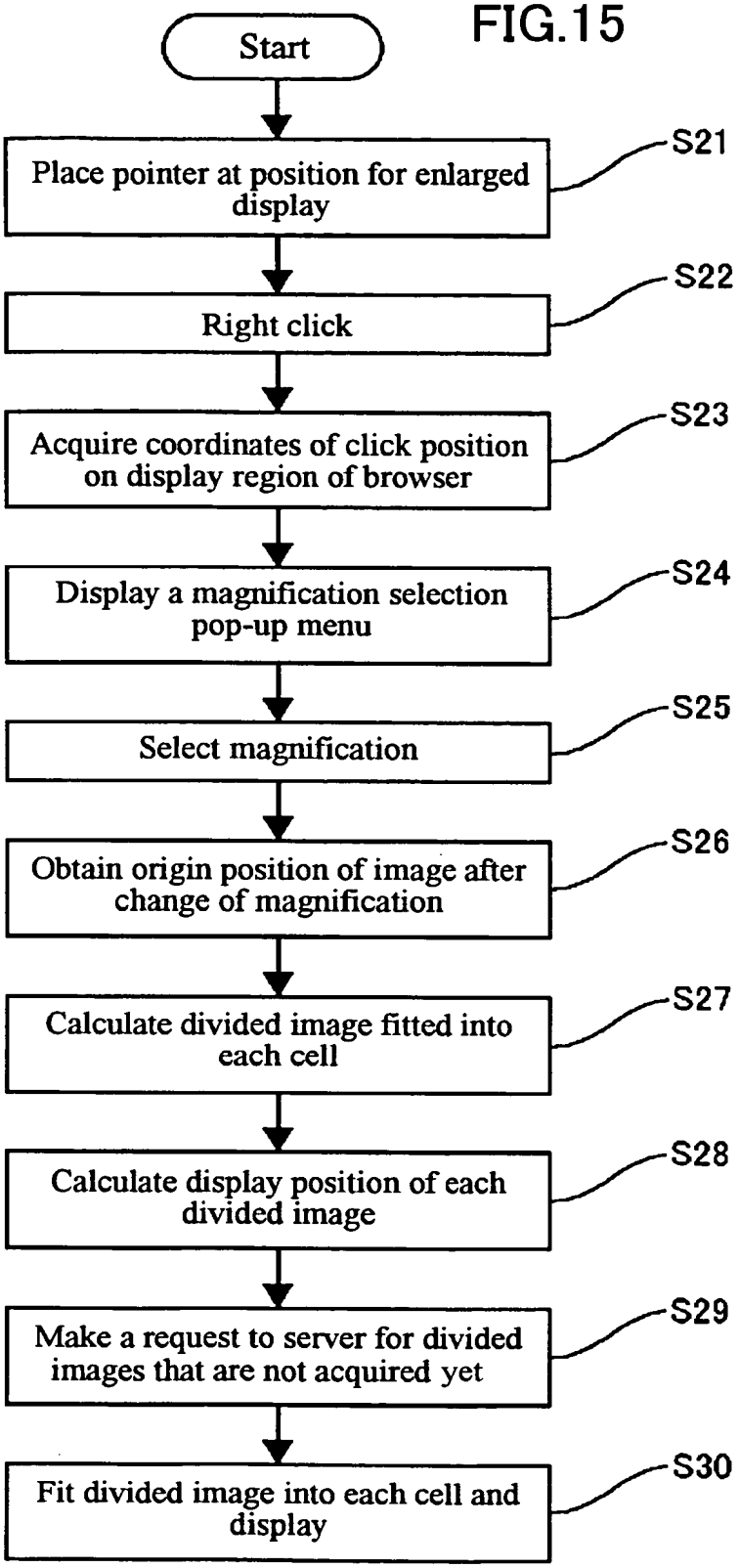
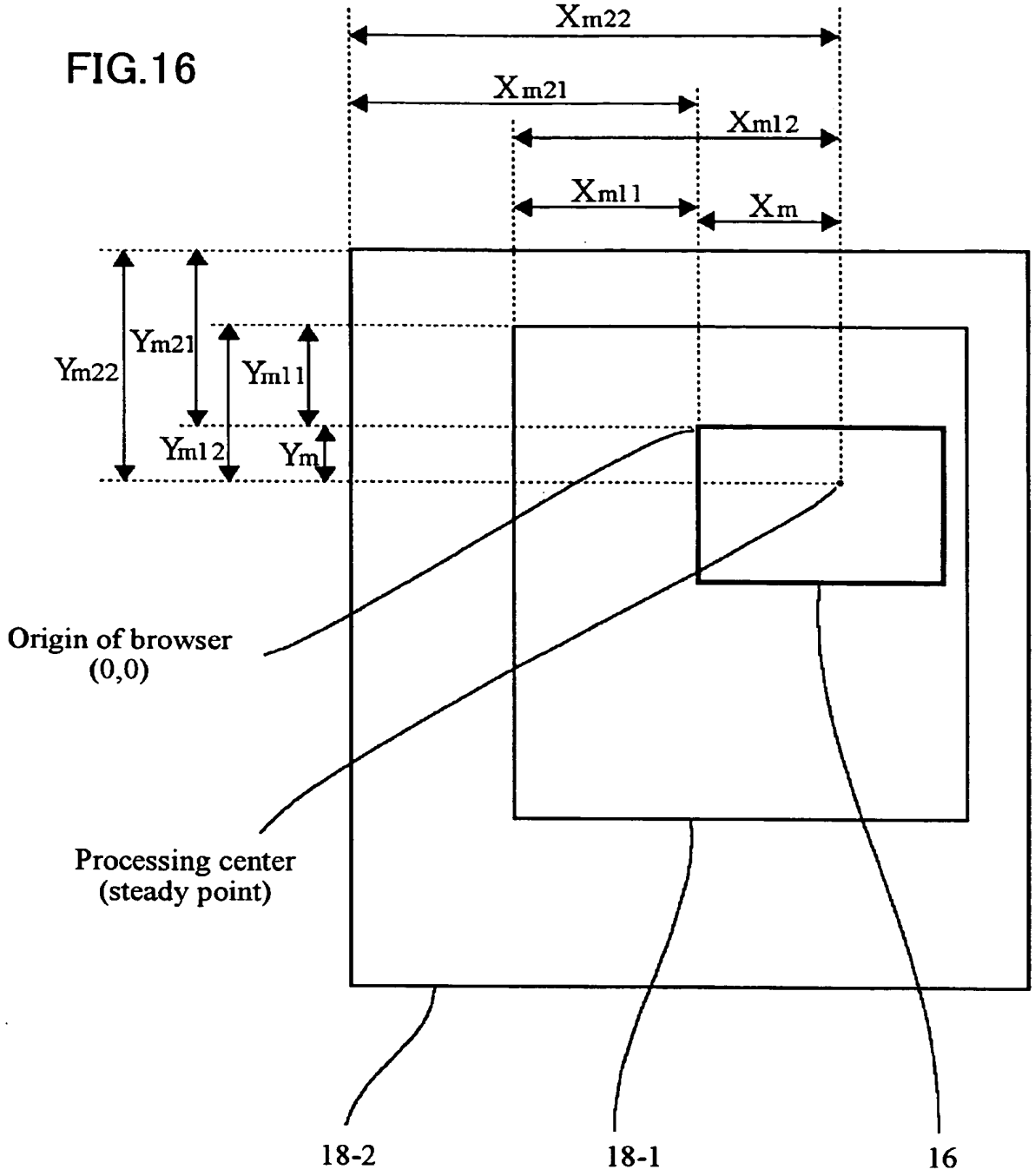

Start
Place pointer at position for enlarged display
S21
Right click
S22
Acquire coordinates of click position on display region of browser
S23
Display a magnification selection pop-up menu
S24
Select magnification
S25
Obtain origin position of image after change of magnification
S26
Calculate divided image fitted into each cell
S27
Calculate display position of each divided image
S28
Make a request to server for divided images that are not acquired yet
S29
Fit divided image into each cell and display
S30

FIG.16


Xm22
Xm21
Xm12
Xm11
Xm
Ym22
Ym21
Ym11
Ym12
Ym
Origin of browser
(0,0)
Processing center
(steady point)
18-2
18-1
16